

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/051734

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C08J9/00 C08J9/14 C08K5/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C08J C08K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 633 289 A (NAKAMURA MICHIIHIKO ET AL) 27 May 1997 (1997-05-27)	1-18
A	column 3, line 55 - column 4, line 16	19
X	US 6 319 962 B1 (COSTA JR JOSEPH S ET AL) 20 November 2001 (2001-11-20)	1-18
A	column 4, line 35 - line 47 claim 4	19
X	US 5 827 446 A (MERCHANT ABID NAZARALI ET AL) 27 October 1998 (1998-10-27)	1-18
Y	column 2, line 40 - line 67	19
	-/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

12 November 2004

Date of mailing of the international search report

22/11/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE WPI Section Ch, Week 199404 Derwent Publications Ltd., London, GB; Class A25, AN 1994-031309 XP002261595 & JP 05 337953 A (INOAC CORP KK) 21 December 1993 (1993-12-21)	1-18
A	abstract	19
X	DE 40 15 714 A (BAYER AG) 21 November 1991 (1991-11-21)	1-18
A	page 6, line 15 - line 25	19
X	US 4 226 947 A (YUKUTA TOSHIO ET AL) 7 October 1980 (1980-10-07)	1-18
Y	example 1 column 1, line 12 - line 20	19
X	DATABASE WPI Section Ch, Week 198940 Derwent Publications Ltd., London, GB; Class A21, AN 1989-288549 XP002261596 & JP 01 210333 A (BRIDGESTONE TIRE KK) 23 August 1989 (1989-08-23)	1-18
A	abstract	19
X	DATABASE WPI Section Ch, Week 198130 Derwent Publications Ltd., London, GB; Class A21, AN 1981-54011D XP002261597 & JP 56 067342 A (SUMITOMO BAKELITE CO) 6 June 1981 (1981-06-06)	1-18
A	abstract	19
X	EP 0 581 191 A (TAKEDA CHEMICAL INDUSTRIES LTD ; MATSUSHITA REFRIGERATION (JP)) 2 February 1994 (1994-02-02)	19
A	page 3, line 9 - line 10 page 3, line 24 - line 27 page 4, line 17 - line 26	1-18

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/051734

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5633289	A	27-05-1997	JP 2806199 B2 JP 6270162 A JP 2806200 B2 JP 6270163 A DE 4408968 A1	30-09-1998 27-09-1994 30-09-1998 27-09-1994 22-09-1994
US 6319962	B1	20-11-2001	AU 3827999 A CA 2329667 A1 WO 9961504 A1 EP 1090056 A1 TW 554008 B	13-12-1999 02-12-1999 02-12-1999 11-04-2001 21-09-2003
US 5827446	A	27-10-1998	DE 69716404 D1 DE 69716404 T2 DE 877780 T1 EP 0877780 A1 ES 2137141 T1 JP 2000510503 T WO 9728229 A1	21-11-2002 26-06-2003 02-03-2000 18-11-1998 16-12-1999 15-08-2000 07-08-1997
JP 5337953	A	21-12-1993	NONE	
DE 4015714	A	21-11-1991	DE 4015714 A1	21-11-1991
US 4226947	A	07-10-1980	JP 54068898 A DE 2848922 A1 GB 2009191 A ,B	02-06-1979 17-05-1979 13-06-1979
JP 1210333	A	23-08-1989	NONE	
JP 56067342	A	06-06-1981	NONE	
EP 0581191	A	02-02-1994	CN 1087650 A ,B DE 69310827 D1 DE 69310827 T2 EP 0581191 A1 JP 3306782 B2 JP 6172476 A KR 252568 B1 US 5350777 A	08-06-1994 26-06-1997 08-01-1998 02-02-1994 24-07-2002 21-06-1994 15-04-2000 27-09-1994